

KUGAVARATHAN

Software Engineer Intern

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Linkedin | GitHub | HackerRank | Medium | Portfolio

PROFILE

Motivated and detail-oriented 3rd-year BSc (Hons) Computing and Information Systems undergraduate with hands-on experience in full-stack development using MERN, Next.js, and Spring Boot frameworks, as well as AI-powered applications. Skilled in Object-Oriented Programming (OOP), MVC architecture, RESTful API design, and Data Structures & Algorithms (DSA). Proven ability to build scalable web apps with secure authentication and responsive, user-friendly interfaces. Experienced in database management, cloud deployment, version control, Agile methodologies, and workflow automation using n8n. Passionate about building innovative, high-quality software solutions using modern technologies in collaborative environments.

EDUCATION

B.Sc. (Hons) in Computing and Information Systems

Sabaragamuwa University of Sri Lanka | July 2023 – Present.

Physical Science Stream (G.C.E. Advanced Level)

J/Hartley College | Completed 2021.

TECHNICAL SKILLS

Programming Languages - Java, JavaScript, PHP

Frontend Development - HTML, CSS, Bootstrap, Tailwind CSS, SASS, React.js, Redux Toolkit, Next.js

Content Management Systems (CMS) – WordPress

Backend Frameworks & Authentication - Node.js, Express.js, Spring Boot, JWT

Databases– MySQL, MongoDB

Testing & Automation Tools: Jest, n8n

Cloud & DevOps - Docker, Git, GitHub, Vercel

Development Tools - VS Code, IntelliJ IDEA, Eclipse, Figma

Software Architecture & Methodologies – Object Oriented Programming (OOP), MVC, Data Structures & Algorithms (DSA), Agile

PROJECTS

1) AI Career Coach (Individual Project) [GitHub]

- Engineered an AI-powered career guidance platform that generates personalized resumes, cover letters, and mock interview questions using Gemini AI.
- Integrated Clerk authentication for secure user access and implemented Prisma ORM for efficient data storage and management.
- Designed a modern, responsive interface, and automated daily practice reminders using n8n workflows.

Tech: Next.js, React, Tailwind CSS, Shadcn UI, Prisma ORM, Clerk, Gemini AI, Inngest, n8n

2) VARA Fashion – Shopping Platform (Individual Project) [GitHub | Demo]

- Developed a full-stack MERN platform with MVC architecture, featuring user login, product management, shopping cart, and admin dashboard.
- Integrated JWT authentication, role-based authorization, and a responsive, user-friendly interface across devices.
- Added a simple chatbot, analytics dashboard, and downloadable PDF receipts to enhance user experience.

Tech: MongoDB, Express.js, React.js, Node.js, Tailwind CSS

3) AI Chatbot (Individual Project) [GitHub | Demo]

- MERN-based AI chatbot platform allowing users to sign up, generate text using Google Gemini and images via ImageKit.
- Added online payment gateway for purchasing credits and managed authentication with Node.js & MongoDB.

Tech: MongoDB, Express.js, React.js, Node.js, ImageKit, OpenAI API, Stripe

4) CineBook - Movie & Event Ticket Booking Platform (Individual Project) [GitHub]

- Engineered a full-stack ticket booking platform enabling users to explore movies and events, watch trailers, write reviews, and securely book seats with real-time availability.
- Developed an admin dashboard for managing movies, events, theaters, and showtimes with role-based JWT authentication.
- Designed a dynamic seat selection interface (row/column grid) with live availability checks and integrated Stripe for secure payments.











Tech: Java, Spring Boot, MySQL, React.js, Stripe

5) FitGenius - AI Fitness Tracker [GitHub]

- Built a full-stack fitness tracking system with Spring Boot and React for managing workouts, goals, and progress.
- Integrated Gemini AI for personalized fitness tips, motivation, and chat-based virtual trainer experience.
- Implemented JWT authentication, analytics dashboards with Recharts, and n8n email reminders for user goals.

Tech: Java, Spring Boot, React.js, MySQL, Gemini AI API, n8n, TailwindCSS

CERTIFICATION COURSES

- Introduction to MERN 
- Postman API Fundamentals Student Expert 
- React 
- JavaScript Essential 
- SQL (Intermediate) 
- Fundamentals of Java Programming 
- Building Applications with Spring Boot and MVC Architecture 
- Getting Started with Git and GitHub 
- Java Data Structures & Algorithms + Leetcode exercise 
- Introduction to AI 

SOFT SKILLS

- Leadership
- Communication
- Time management
- Team work
- Self-learning
- Creativity

VOLUNTEERING & LEADERSHIP

- Finance Team Member, PearlHack 3.0 – IEEE WIE Affinity Group, Sabaragamuwa University
- Assistant Manager, IT & Satellite Division – SEDS Sabaragamuwa
- Web Team Member, IEEE WIE – Sabaragamuwa University of Sri Lanka
- Volunteer IEEE student branch of Sabaragamuwa University of Sri Lanka
- Cricket Team Captain (U-19) – J/Hartley College

ACHIEVEMENTS

- Semi-Finalist, HackX 8.0 (2023) – University of Kelaniya
- Participant, J’pura Xtreme Hackathon 2024 – University of Sri Jayewardenepura

REFERENCES

Professor (Dr.) S.Vasanthapriyan, Ph.D.
Chair, IEEE Sri Lanka Section,
Dean, Faculty of Computing,
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